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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Brian G. Van Ness et al.      Art Unit : Unknown  
Serial No. : 10/532,040      Examiner : Unknown  
Filed : December 30, 2005      Conf. No. : 9035  
Title : TRANSGENIC NON-HUMAN ANIMALS WITH EXPANDED MATURE B  
CELL AND PLASMA CELL POPULATIONS

**MAIL STOP AMENDMENT**

Commissioner for Patents  
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INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

This statement is being filed before the receipt of a first Office Action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: October 6, 2006

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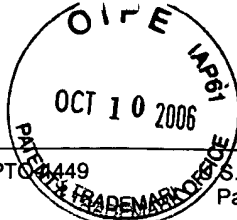
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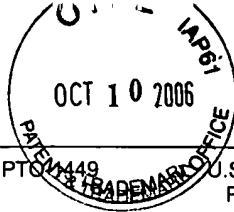
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| Substitute Form PTO-1449<br>(Modified)<br><br><b>Information Disclosure Statement<br/>by Applicant</b><br>(Use several sheets if necessary)<br><br>(37 CFR §1.98(b)) | U.S. Department of Commerce<br>Patent and Trademark Office | Attorney's Docket No.<br>09531-109US1 | Application No.<br>10/532,040 |
|  | Applicant<br>Brian G. Van Ness et al.                      |                                       |                               |
|  | Filing Date<br>December 30, 2005                           | Group Art Unit                        |                               |

| U.S. Patent Documents |           |                 |                  |                  |       |          |                            |
|-----------------------|-----------|-----------------|------------------|------------------|-------|----------|----------------------------|
| Examiner Initial      | Desig. ID | Document Number | Publication Date | Patentee         | Class | Subclass | Filing Date If Appropriate |
|                       | AA        | 4,873,191       | 10/10/89         | Wagner et al.    |       |          |                            |
|                       | AB        | 5,202,429       | 04/13/93         | Tsujimoto et al. |       |          |                            |
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|                       | AM        |                 |                  |                  |       |          |                            |

| Foreign Patent Documents or Published Foreign Patent Applications |           |                 |                  |                          |       |          |             |    |
|---|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
| Examiner Initial  | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |    |
|   |           |                 |                  |                          |       |          | Yes         | No |
|   | AN        |                 |                  |                          |       |          |             |    |

| Other Documents (include Author, Title, Date, and Place of Publication) |           |  |
|---|-----------|--|
| Examiner Initial  | Desig. ID | Document   |
|   | AO        | GenBank Accession No. L20121, dated October 5, 1993    |
|   | AP        | GenBank Accession No. L35049, dated October 29, 1994   |
|   | AQ        | GenBank Accession No. NM_002524, dated August 27, 2006 |
|   | AR        | GenBank Accession No. X00364, dated June 3, 2002       |
|   | AS        | GenBank Accession No. X15878, dated September 9, 2004  |
|   | AT        | GenBank Accession No. Z23115, dated July 26, 1994      |

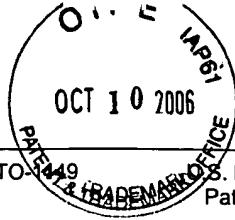
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| Examiner Initial  | Desig. ID | Document  |
|   | AU        | "NiceSite View of PROSITE; PDOC00829 (documentation) Apoptosis regulator proteins, Bcl-2 family BN domains signatures/profiles" [online]. Hosted by SIB Switzerland, [retrieved on 2002-10-18]. Retrieved from the Internet: <URL: <a href="http://www.expasy.org/cgi-bin/prosite-search-ac?PD0C00829">www.expasy.org/cgi-bin/prosite-search-ac?PD0C00829</a> > |
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|   | AW        | Adams et al., "The c-myc oncogene driven by immunoglobulin enhancers induces lymphoid malignancy in transgenic mice" <i>Nature</i> , 1985, 318:533-538  |
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|   | ACC       | Cibelli et al., "Cloned Transgenic Calves Produced from Nonquiescent Fetal Fibroblasts," <i>Science</i> , 1998, 280:1256-1258   |
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|   | AFF       | Fang et al., "Self-reactive B lymphocytes overexpressing Bcl-xL escape negative selection and are tolerized by clonal anergy and receptor editing," <i>Immunity</i> , 1998, 9(1):35-45  |
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|   | AHH       | Fennell et al., "In vivo suppression of Bcl-XL expression facilitates chemotherapy-induced leukaemia cell death in a SCID/NOD-Hu Model," <i>Br. J. Haematol.</i> , 2001, 111(3):706-713   |
|   | AII       | Frankel et al., "Modulation of the apoptotic response of human myeloid leukemia cells to a diphtheria toxin granulocyte-macrophage colony-stimulating factor fusion protein," <i>Blood</i> , 1997, 90(9):3654-3661  |
|   | AJJ       | Fulton and Van Ness, "Selective synergy of immunoglobulin enhancer elements in B-cell development: a characteristic of kappa light chain enhancers, but not heavy chain enhancers," <i>Nucl. Acids Res.</i> , 1994, 22:4216-4123  |
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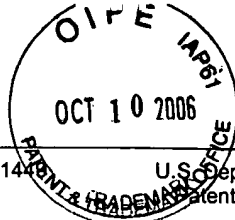
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| Other Documents (include Author, Title, Date, and Place of Publication) |           |  |
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| Examiner Initial  | Desig. ID | Document   |
|   | ANN       | Gross et al., "BCL-2 family members and the mitochondria in apoptosis," <u>Genes Dev.</u> , 1999, 13:1899-1911   |
|   | AOO       | Grosschedl and Baltimore, "Cell-Type Specificity of Immunoglobulin Gene Expression is Regulated by at Least Three DNA Sequence Elements" <u>Cell</u> , 1985, 41:885-897  |
|   | APP       | Grossmann et al., "The anti-apoptotic activities of Rel and RelA required during B-cell maturation involve the regulation of Bcl-2 expression," <u>EMBO J.</u> , 2000, 19(23):6351-6360  |
|   | AQQ       | Guatelli et al., "Isothermal, <i>in vitro</i> amplification of nucleic acids by a multienzyme reaction modeled after retroviral replication," <u>Proc. Natl. Acad. Sci. USA</u> , 1990, 87:1874-1878                             |
|   | ARR       | Harris et al., "Effect of a bcl-2 transgene on production and localization of precursor B cells in mouse bone marrow," <u>Exp. Hematol.</u> , 1998, 26(10):982-990   |
|   | ASS       | Hentunen et al., "Characterization of Immortalized Osteoclast Precursors Developed from Mice Transgenic for Both bcl-XL and Simian Virus 40 Large T Antigen," <u>Endocrinology</u> , 1999, 140(7):2954-2961                      |
|   | ATT       | Ibrado et al., "Bcl-xL overexpression inhibits taxol-induced Yama protease activity and apoptosis," <u>Cell Growth &amp; Differentiation</u> , 1996, 7(8):1087-1094  |
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|   | AGGG      | Ong et al., "Lymphadenopathy, splenomegaly, and altered immunoglobulin production in BCL3 transgenic mice," <u>Oncogene</u> , 1998, 16(18):2333-2343   |

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| Examiner Initial  | Desig. ID | Document   |
|   | AHHH      | O'Reilly et al., "Expression of a bcl-2 transgene reduces proliferation and slows turnover of developing B lymphocytes in vivo," <u>J. Immunol.</u> , 1997, 159(2):2301-2311   |
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|   | AJJJ      | Rodriguez et al., "An early and massive wave of germinal cell apoptosis is required for the development of functional spermatogenesis," <u>EMBO J.</u> , 1997, 16(9):2262-2670                                       |
|   | AKKK      | Rothstein et al., "Receptor-specific regulation of B-cell susceptibility to Fas-mediated apoptosis and a novel Fas apoptosis inhibitory molecule," <u>Immunol. Rev.</u> , 2000, 176:116-133                          |
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|   | AOOO      | Short Protocols in Molecular Biology, 1992, Chapter 11, <u>Green Publishing Associates and John Wiley &amp; Sons</u> , ed. Ausubel et al.  |
|   | APPP      | Strasser et al., "E mu-bcl-2 transgene facilitates spontaneous transformation of early pre-B and immunoglobulin-secreting cells but not T cells," <u>Oncogene</u> , 1993, 8(1):1-9                                   |
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|   | AUUU      | Van der Putten et al., "Efficient insertion of genes into the mouse germ line via retroviral vectors," <u>Proc. Natl. Acad. Sci. USA</u> , 1985, 82:6148-1652  |
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|   | AXXX      | Wilmut et al., "Viable offspring derived from fetal and adult mammalian cells," <u>Nature</u> , 1997, 385:810-813  |
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|   | AAAAA     |  |

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